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**Sent:** Tue 12/11/2018 5:20:41 PM (UTC)  
**Subject:** Change in statistical assumptions in Parcel G Work Plan Draft versions 2/9/18 vs 11/2/18  
[Draft HPNS Rad Work Plan 020918 - Excerpts re number of samples.pdf](#)  
[EPA Comments on HP Rad Work Plan 3.26.18-Excerpts number of samples.pdf](#)  
[Draft Final Parcel G Work Plan 110218 - Excerpts re number of samples.pdf](#)

As you requested, attached are the following excerpts about Beta (Type II decision error rate) and corresponding number of samples needed per survey unit:

1. The February 2018 Draft *Work Plan* shows Beta = 0.01 and states that this would associated with 18 samples per survey unit.
2. The March 2018 EPA Comments on this draft shows that when Beta = 0.01, the associated number of samples per survey units should be 25, not 18.
3. The November 2018 Draft *Work Plan* shows Beta = 0.05 and states that this would be associated with 18 samples per survey unit. This draft does not explain why Beta changed from 0.01 in the February draft to 0.05 in the November draft.

Please let me know anything else you may need.

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